FE595 Tweet Parser README

Prerequisites for deploying:

* Word Cloud
* NLTK + Vader Lexicon
* Requests
* BeautifulSoup
* TextBlob
* Flask
* Spacy + en\_core\_web\_lg

Functionality:

NLP Analytics on tweets. Can either specify user or supply tweets directly. All strings in post methods need to be ‘+’ delimited.

5 Functions:

* Print Tweets, Similarity, Word Cloud, Sentiment, Parts of Speech Counter
* Specified by index (starting at 0)

3 Methods:

1 Post Method - /Analyze. Supply Name, Tweets, Functions. Tweets and Functions need to be ‘+’ delimited. Python Example:

payload = {'tweets': 'Hi+Im Jack','name':’Jack’,'functions':'1+2'}

requests.post('http://127.0.0.1:8080/Analyze',data=payload)

2 Methods:

1. '/<name>\_<function>'

Parses the tweets available for the user and performs the desired analysis

Example:

<http://127.0.0.1:8080/Jack_1+2>

1. ‘/get\_<name>’

Returns previously done analysis for the name.

Example:

http://127.0.0.1:8080/get\_Jack